

MADE IN JAPAN UNDER JAPANESE MANUFACTURING GUIDELINES

Vitalzym is regulated by the Pharmaceutical and Food Safety Bureau under the Ministry of Health, Labor, and Welfare in Japan. This agency is the Japanese equivalent of the FDA of the United States Department of Health and Human Services. Since Vitalzym is regulated in Japan, it must adhere to manufacturing requirements that are far more stringent than dietary supplements manufactured in the United States. Supplements manufactured in the United States are considered food grade, and thus, are not regulated as stringently as in Japan.

Quality control requirements of a licensed manufacturing facility in Japan are considered the most hygienic of any industry. Extreme measures are taken to avoid any possibility of contamination. Precautions include clean rooms, dust particle control, and sophisticated air filtration systems. During frequent site facility inspections, the government inspects all laboratory equipment and safety measures. Each inspection must be passed in order to retain the export licensure.

World Nutrition is also required to notify the Japanese Pharmaceutical and Food Safety Bureau of any variance to the registered ingredient blend. Any blend change would require a new registration for export. Every batch of product must be inspected before and after mixing to test adherence to the registered blend. In addition, every lot of raw materials received by our manufacturing facility must be tested independently of the supplier for safety, impurities, potency, and accuracy. These records must be disclosed upon facility inspections.

These Japanese manufacturing guidelines unique to the manufacturing of Vitalzym ensure that each and every capsule is of the utmost purity, potency and safety.*



Vitalzym is protected by a recyclable aluminum can that provides optimal protection for prolonged potency and shelf life.

DOSAGE

This dosage recommendation is for most users. The dosage recommended by your healthcare professional may differ. As a dietary supplement, take 3 capsules daily with water. Your healthcare professional may also recommend a higher activation dosage.

Warning: If you are currently taking prescription drugs, consult your healthcare professional prior to use.

DETOXIFICATION

Systemic enzymes may help rid the body of toxins. Some users will experience a detoxification reaction to the enzymes, including short-term fatigue, nausea, foginess, or headache. Though uncomfortable, this detoxification is beneficial to the body. Increased water intake can assist in the process, or reduced enzyme dosage will slow the rate of detoxification. If symptoms persist, contact your healthcare professional.*

Vegetarian Formula All Natural • Non-Toxic • Non-GMO

Supplement Facts		
	Amount Per Serving	%Daily Value*
Proprietary Enzyme Blend	168mg	**
Proprietary blend contains: Bromelain, Papain, Rutin, Amylase, Protease, Lipase, Amla, Serrapeptase.		
* Percent Daily Values based on a 2,000 calorie diet.		
** Daily Value not established.		

Other Ingredients: Medium-chain Triglycerides, Starch, Glycerin, Polysaccharide, Corn protein, Beeswax, Glycerin Fatty Acid Ester, Soy Lecithin, Citric Acid.



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Vitalzym

Promotes a Balanced Lifestyle[†]



New Enteric Coated Liquid Gel Capsules

Extra Strength Systemic Enzyme Dietary Supplement

Vitalzym™

Enzymes are the building blocks of life.

Enzymes are the biocatalysts necessary for the chemical reactions associated with breathing, growth, reproduction, digestion, and all other metabolic functions. For most people under the age of 25, enzymes are efficiently produced by the body to maintain optimal health. As we age, our body's production of enzymes decreases. This reduction of enzyme levels may reduce the efficiency of our normal body functions.*

Supplementation with systemic enzymes may help the body to more efficiently regulate its metabolism, thereby reducing the physiological effects of aging. Vitalzym is a unique blend of powerful systemic enzymes designed to assist the body's normal metabolic processes.

Physicians in Europe and Asia have long prescribed systemic enzyme supplements to restore enzyme levels and promote natural healing. Combined with professional healthcare, proper diet and exercise, Vitalzym may help you to maintain proper enzyme levels and balance your body's own repair mechanisms.*

Proprietary Blend

Vitalzym is recommended by healthcare professionals worldwide. The unique blend of vegetarian enzymes, flavonoids, and antioxidants has been formulated for 100% absorption in the small intestine.*

Serrapeptase, a key ingredient in Vitalzym, was originally discovered in Japan and is commercially produced there for health applications. It has been used as a substitute for animal-derived enzymes, such as chymotrypsin, due to its stronger effect in terms of bradykinin-decomposing activity (a measurement of the enzyme activity level needed to degrade bradykinin, a protein found in the body that causes an inflammatory response).*

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

For all conditions or illnesses, see a healthcare professional for a full evaluation, diagnosis, or treatment plan.

New Advanced Delivery System - Enteric Coated Liquid-Filled Capsule



Vitalzym has been reformulated with a technologically advanced delivery system that allows for reduced dosage and vastly increased effectiveness.*

Enteric Coating

The effectiveness of any systemic enzyme is determined by the amount of activity level in the bloodstream after the enzyme has been absorbed from the small intestine. Enzymes, whose activity is significantly reduced in an acidic environment, must be protected from it for their utmost effectiveness. Enzymes will begin to lose their activity once introduced into the low pH (1.0-3.0) acids of the stomach. The amount of activity loss is dependent upon the individual enzyme and the amount of time it spends in the stomach. Studies have shown that unprotected enzymes can lose up to 100% of their activity in fewer than 30 minutes in pH levels below 3.0. The only reliable method of ensuring that 100% of the enzymes are not destroyed by the stomach acids is to enteric-coat the enzymes. Vitalzym has been reformulated to use an enteric coated gel capsule manufactured under pharmaceutical-grade guidelines.*

Though revolutionary to nutritional enzyme blends, this enteric coating process is similar to that used in today's most advanced products. The capsule has an all-natural shell barrier that allows it to withstand the extremely low pH levels found in the stomach. Once introduced to the pancreatic juices in the duodenum (upper small intestine), the shell barrier breaks down to release the enzymes it contains. The enzymes are then absorbed into the bloodstream through the lining of the small intestine.*

The new enteric coated gel capsule has been designed to pass both the USP (United States Pharmacopeia) and JP (Japan Pharmacopeia) disintegration tests for enteric coated capsules. Every batch is tested to ensure it meets the agency guidelines before exportation to the U.S.*

Solubilized Liquid-Filled Gel Capsule

At the center of the advanced delivery system is a new Solubilized Liquid-Filled Gel Capsule used to enhance the absorption of Vitalzym. The technology of liquid-filled capsules is superior to that of capsules filled with powder because it uses low heat production, provides more uniform dose distribution, and prolongs enzyme activity.*

Low Heat Production – Powder enzyme blends are available today that use an enteric coating, but they are typically in tablet form. The disadvantage of these blends is the amount of heat created with compressing the ingredients into a tablet. Enzymes are susceptible to high temperatures and may begin to degrade during the manufacturing process. Solubilized Liquid-Filled Gel Capsules allow for an enteric coated enzyme without activity loss from heat. Throughout all of the processes, Vitalzym is produced under strictly controlled temperature ranges.*

Optimal Distribution – Liquid enzyme blends provide a more uniform dose consistency, because the mixing of liquids allows for optimal particle distribution. In powder formulations, each particle of a different enzyme is different in size, causing greater friction between particles during mixing. Excipients are introduced to powder formulations to increase the mixability, but liquids still provide far more even distribution of ingredients, allowing for more consistent dosages in each capsule.*

Prolonged Enzyme Activity – Enzymes always retain some amount of moisture when they are produced. Enzymes, as proteins, are more susceptible to denaturation at higher moisture. Enzyme powders typically have lower (5-10%) moisture. However, even with lower moisture, enzyme powders will lose some of their activity over time, resulting in a loss of up to 20% of activity over a 12-month period. Vitalzym contains enzymes with a higher degree of purity and less moisture that when combined with Medium-Chain Triglycerides (MCT), then decompressed during the manufacturing process, removes the moisture completely. As a result, loss of enzyme activity over time due to moisture will not occur after Vitalzym is produced. Vitalzym is manufactured to have a 5-year shelf life with no loss of activity when properly stored in a cool, dry place with the lid tightly closed.*